Note : where requared table is not present i have used othar columns .

1first we create database and creat table indide it then import data inside table

```
create database rental_propsrty;

use rental_propsrty;

CREATE TABLE tabal1 (
   sno INT PRIMARY KEY,
   Rental_price int,
   Country VARCHAR(100),
   ZipCode int,
   adrress varchar (255),
   City VARCHAR(255)
);

describe tabal1;

load data infile 'table11.csv'
into table tabal1
fields terminated by ','
lines terminated by '\n'
ignore 1 lines ;
```

2 NOW we do same for table 2

```
CREATE TABLE table2 (
sno INT PRIMARY KEY,
bad int,
Area int,
bath int
);

load data infile 'table222.csv'
into table table2
fields terminated by ','
lines terminated by '\n'
ignore 1 lines;
```

3 now do same for table3 aswell.

```
create table table3(
```

```
sno int primary key,
Dishwasher varchar(100),
Microwave varchar(100),
parking int,
Refrigerator varchar(100),
AC  varchar(100),
Disposa varchar(100)
);

load data infile 'table333.csv'
into table table3
fields terminated by ','
lines terminated by '\n'
ignore 1 lines ;
```

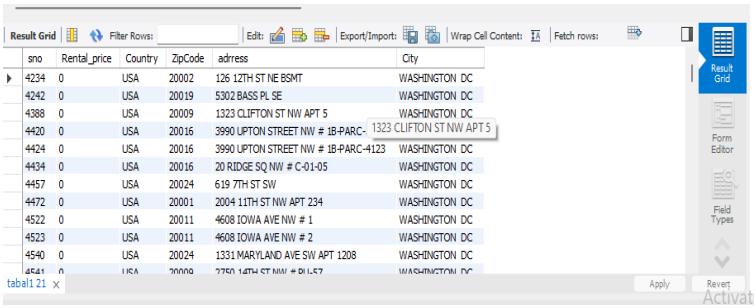
1) 1Write a SQL query to order records by a rental price column in ascending order.

Ans:

Importation

```
SELECT *FROM tabal1

ORDER BY Rental_price ASC;
```



sno	Rental_price	Country	ZipCode	adress	City
4234	0	USA	20002	126 12TH ST NE BSMT	WASHINGTON DC
4242	0	USA	20019	5302 BASS PL SE	WASHINGTON DC
4388	0	USA	20009	1323 CLIFTON ST NW APT 5	WASHINGTON DC
4420	0	USA	20016	3990 UPTON STREET NW # 1B-PARC-	WASHINGTON DC
4424	0	USA	20016	3990 UPTON STREET NW # 1B-PARC-4123	WASHINGTON DC
4434	0	USA	20016	20 RIDGE SQ NW # C-01-05	WASHINGTON DC
4457	0	USA	20024	619 7TH ST SW	WASHINGTON DC
4472	0	USA	20001	2004 11TH ST NW APT 234	WASHINGTON DC
4522	0	USA	20011	4608 IOWA AVE NW # 1	WASHINGTON DC
4523	0	USA	20011	4608 IOWA AVE NW # 2	WASHINGTON DC
4540	0	USA	20024	1331 MARYLAND AVE SW APT 1208	WASHINGTON DC

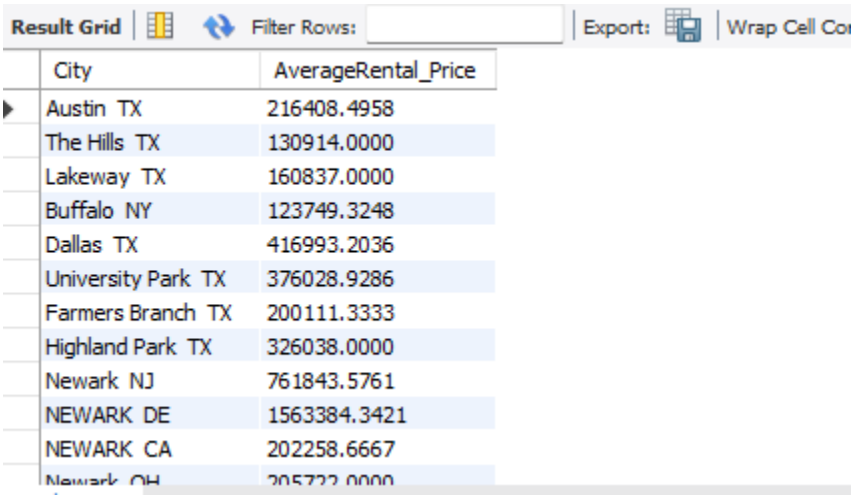
2) 2 Write a SQL query to select unique combinations of City and State with their average Rental Price.

ANS:

```
SELECT City, AVG(Rental_price) AS AverageRental_Price

FROM tabal1

GROUP BY City;
```



City	AverageRental_Price
Austin TX	216408.4958
The Hills TX	130914.0000
Lakeway TX	160837.0000
Buffalo NY	123749.3248
Dallas TX	416993.2036
University Park TX	376028.9286
Farmers Branch TX	200111.3333
Highland Park TX	326038.0000
Newark NJ	761843.5761
NEWARK DE	1563384.3421
NEWARK CA	202258.6667
Newark OH	205722.0000

3) Write a SQL query to select the top 5 highest deposit amounts with corresponding Address and City .

Ans:

```
select  adrress ,City ,Rental_price
from tabal1
order by Rental_price desc
limit 5;
```

tabal1 23 ×

4) Write a SQL query to select the count of records for each Country along with the total deposit amount.

Ans

```
Select  Country,COUNT(sno) as total,sum(Rental_price)
as deposite

from tabal1

GROUP BY Country;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Country	total	deposite
USA	5314	2673190320

5) Write a SQL query to select records with a Rental Price higher than the average Rental Price across all records.

Ans:

```
SELECT *

FROM tabal1

WHERE Rental_price > (SELECT AVG(Rental_price) FROM
tabal1);
```

Table 2

1) Write a SQL query to select the average area for each number of bedrooms.

Ans:

```
SELECT *

FROM tabal1

WHERE Rental_price > (SELECT AVG(Rental_price) FROM
tabal1);
```

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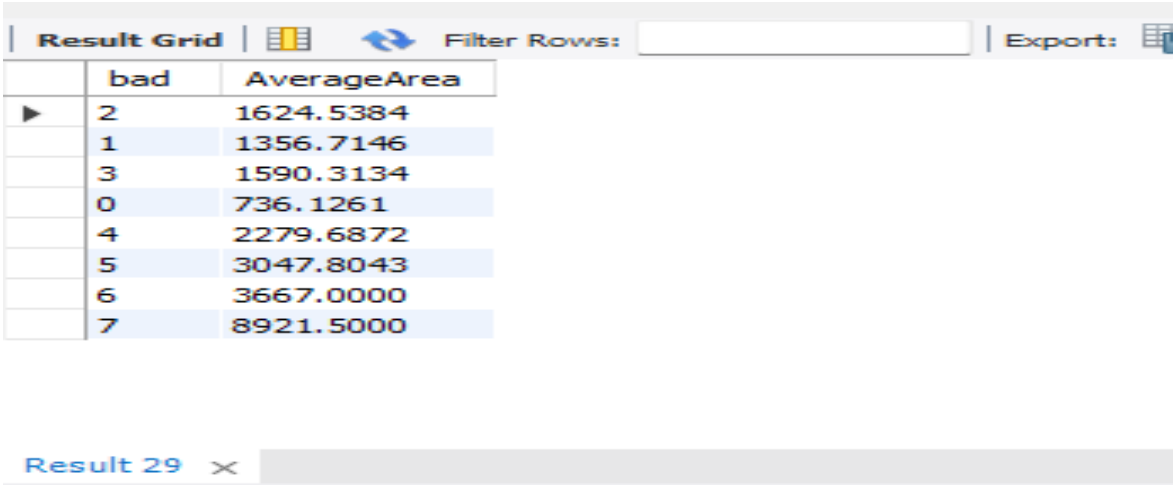


Result Grid | Filter Rows: | Export:

	bad	AverageArea
▶	2	1624.5384
	1	1356.7146
	3	1590.3134
	0	736.1261
	4	2279.6872
	5	3047.8043
	6	3667.0000
	7	8921.5000

Result 29 ×

2) 2 Write a SQL query to select records with more than one bathroom and pets allowed.

Ans:

```
select * from table2

where bath>1;
```

has no pets allowed columns.

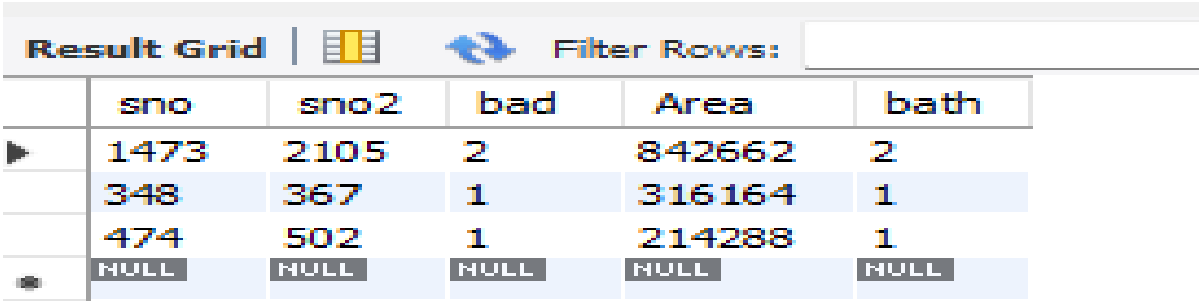
3) Write a SQL query to select the top 3 records with the highest total area (bedrooms + bathrooms).

Ans:

```
select* from table2

order by Area desc

limit 3;
```



Result Grid | Filter Rows:

	sno	sno2	bad	Area	bath
▶	1473	2105	2	842662	2
	348	367	1	316164	1
	474	502	1	214288	1
*	NULL	NULL	NULL	NULL	NULL

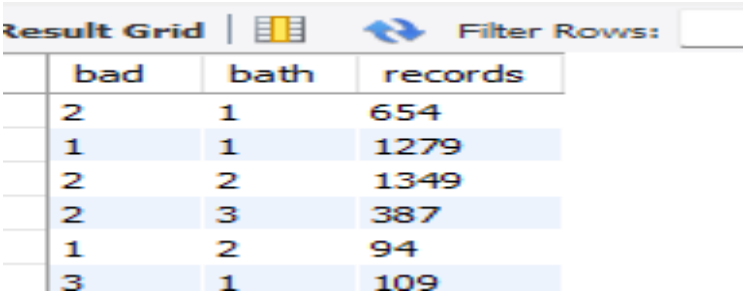
4) Write a SQL query to select the count of records for each combination of bedrooms and bathrooms.

Ans:

```
SELECT bad , bath, COUNT(*) AS records

FROM table2

GROUP BY bad , bath;
```



Result Grid | Filter Rows:

bad	bath	records
2	1	654
1	1	1279
2	2	1349
2	3	387
1	2	94
3	1	109

5) Write a SQL query to select records with the largest area where pets are allowed .

Ans:

```
SELECT * FROM table2

WHERE Area = (SELECT MAX(Area) FROM table2 WHERE
petsallowed = 'Yes');
```

pets allowed columns is not in data set

Table3

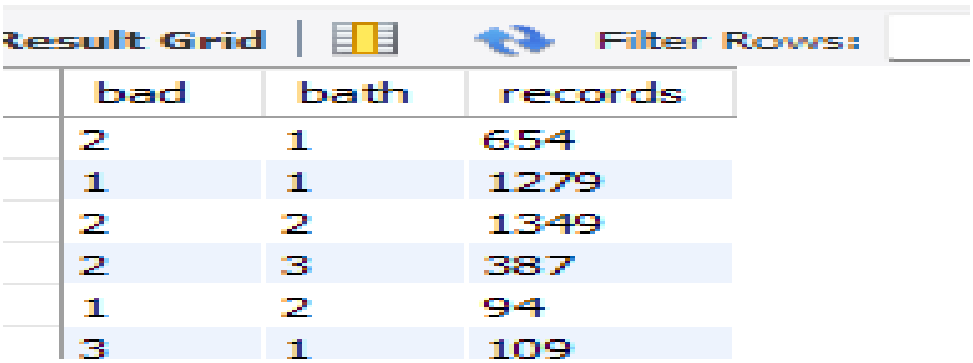
1) Write a SQL query to Select records where both Washer/Dryer and AC are available, and order by Sno.

Ans:

```
select * from table3

where Dishwasher='Yes'and Microwave ='Yes'

order by sno;
```



bad	bath	records
2	1	654
1	1	1279
2	2	1349
2	3	387
1	2	94
3	1	109

2) Write a SQL query to Select records where Hardwood floors are available but neither Roofdeck nor Storage is present, and order by Sno in descending order.

Ans:

```
SELECT * FROM table3

WHERE Hardwood_floors = 'Yes' AND Roofdeck = 'No'
AND Storage = 'No'

ORDER BY Sno DESC;
```

3) Write a SQL query to Select records where at least four amenities (AC, Parking, Dishwasher, Fireplace) are available, and order by Sno .

Ans:

```
select *from table3

where AC='yes'and parking >0 and Dishwasher ='yes'

order by sno ;
```

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Result Grid | Filter Rows: | Edit: | Export

sno	Dishwasher	Microwave	parking	Refrigerator	AC	Disposa
0	yes	no	2	no	Yes	no
2	yes	no	2	no	Yes	no
4	yes	no	2	no	Yes	no
6	yes	no	2	no	Yes	no
7	yes	no	2	no	Yes	no

table3 33

4) Write a SQL query to Select records where neither Roofdeck nor Storage is available, and include the count of such records.

Ans:

```
select AC ,Dishwasher , count(*) as count from table3
where AC='no' and Dishwasher='no'
group by AC ,Dishwasher;
```

i dont have those columns so i use columns wich my dataset has

Result Grid | Filter Rows:

AC	Dishwasher	count
No	no	138

5) Write a SQL query to Select records with Parking and either Fireplace or Dishwasher, and include the count of records for each condition.

Ans:

```
select parking ,AC ,Dishwasher ,count(*) as count
from table3
where parking>0 and(AC='yes' or Dishwasher='yes')
group by parking,AC,Dishwasher;
```

Result Grid | Filter Rows:

	parking	AC	Dishwasher	count
▶	2	Yes	yes	444
	1	Yes	no	856
	1	Yes	yes	259
	2	Yes	no	962
	3	Yes	yes	16

Result 35

Joins

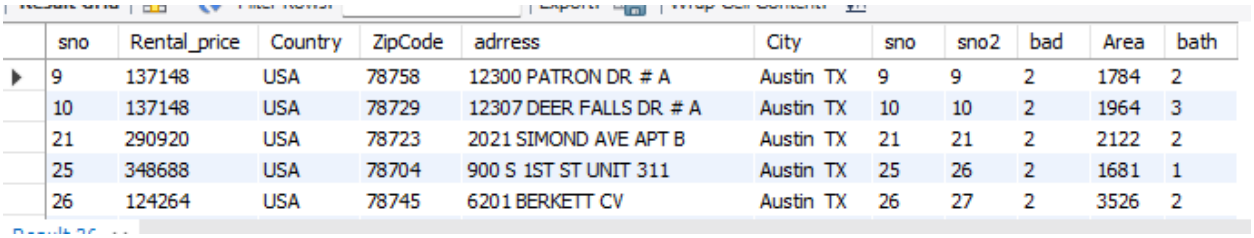
1) Write a SQL subquery to find records with more than the average area and related details using table 1 and table 2.

Ans:

```
select * from tabal1 join table2

ON tabal1.sno = table2.sno

where Area >(select avg(Area) from table2);
```



sno	Rental_price	Country	ZipCode	adrress	City	sno	sno2	bad	Area	bath
9	137148	USA	78758	12300 PATRON DR # A	Austin TX	9	9	2	1784	2
10	137148	USA	78729	12307 DEER FALLS DR # A	Austin TX	10	10	2	1964	3
21	290920	USA	78723	2021 SIMOND AVE APT B	Austin TX	21	21	2	2122	2
25	348688	USA	78704	900 S 1ST ST UNIT 311	Austin TX	25	26	2	1681	1
26	124264	USA	78745	6201 BERKETT CV	Austin TX	26	27	2	3526	2

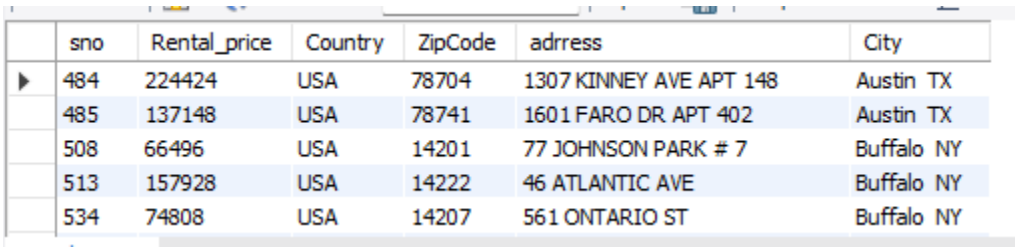
2) Write a subquery to find records in table1 based on conditions pets allowed is 'YES' and no of bed is greater than 3 in table2.

Ans:

```
select
tabal1.sno,Rental_price,Country ,ZipCode ,adrress ,City
from tabal1 join table2

ON tabal1.sno = table2.sno

where bad>3;
```



sno	Rental_price	Country	ZipCode	adrress	City
484	224424	USA	78704	1307 KINNEY AVE APT 148	Austin TX
485	137148	USA	78741	1601 FARO DR APT 402	Austin TX
508	66496	USA	14201	77 JOHNSON PARK # 7	Buffalo NY
513	157928	USA	14222	46 ATLANTIC AVE	Buffalo NY
534	74808	USA	14207	561 ONTARIO ST	Buffalo NY

3) Write a SQL subquery using both tables (2 and 3) to find records in Table2 with more than 2 bedrooms and related details from Table3 where AC is present .

Ans:

```
select table3.*

from table2 join table3

on table2.sno=table3.sno

where table2.bad>3 and table3.AC='yes';
```

	sno	Dishwasher	Microwave	parking	Refrigerator	AC	Disposa
▶	484	yes	no	2	no	Yes	no
	485	no	no	1	no	Yes	no
	508	no	no	0	no	Yes	no
	534	no	no	0	no	Yes	no
	550	no	no	0	no	Yes	no

4) Write a sql subquery to find records in Table2 with pets allowed and a Dishwasher, and include related details from Table3.

Ans:

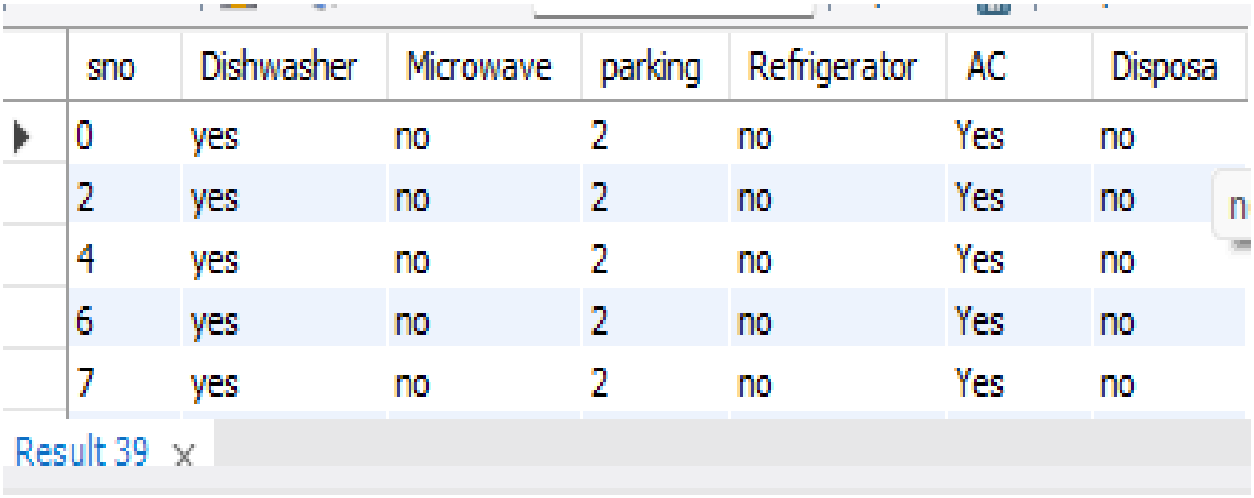
```
select table3.*

from table2 join table3

on table2.sno = table3.sno

where table3.Dishwasher='yes'
```

petallowed columns is not present in data set



	sno	Dishwasher	Microwave	parking	Refrigerator	AC	Disposa
▶	0	yes	no	2	no	Yes	no
	2	yes	no	2	no	Yes	no
	4	yes	no	2	no	Yes	no
	6	yes	no	2	no	Yes	no
	7	yes	no	2	no	Yes	no

Result 39 ×

5) Write a subquery to find records in Table2 with the highest area and related details from Table3 where roofdeck is present.

Ans:

```
SELECT table2.* from
```

```
table2  JOIN table3 ON table2.sno = table3.sno

WHERE

table3.Dishwasher = 'yes' and

table2.Area = (SELECT MAX(Area)FROM table2);
```

Result Grid | Filter Rows:

	sno	sno2	bad	Area	bath

6) Write a sql Inner Join to combine information from table1 and table 2.

Ans:

```
select tabal1.*,table2.* from

tabal1 inner join table2

on tabal1.sno=table2.sno;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	sno	Rental_price	Country	ZipCode	adrress	City	sno	sno2	bad	Area	bath
▶	0	99328	USA	78723	6110 WHELESS CV APT C	Austin TX	0	0	2	751	1
	1	132576	USA	78704	2208 DEL CURTO RD	Austin TX	1	1	1	575	1
	2	128836	USA	78704	412 W ALPINE RD	Austin TX	2	2	1	654	1
	3	82704	USA	78705	502 W 35TH ST APT 105	Austin TX	3	3	1	425	1
	4	124264	USA	78705	2502 LEON ST APT 415	Austin TX	4	4	2	868	2
	5	72730	USA	78751	4709 HARMON AVE APT 312	Austin TX	5	5	1	641	1
	6	174552	USA	78748	2509 ALLRED DR APT A	Austin TX	6	6	2	1363	3

7) Write SQL Subquery to find records in table1 with pets allowed and a Washer/Dryer, and include details from table2 and table3 .

Ans:

```
select taball.*,table2.*,table3.* from taball
join table2 on taball.sno=table2.sno
join table3 on taball.sno=table3.sno
where table3.Dishwasher='yes';
```

pets alowed column is not present in data set

sno	Rental_price	Country	ZipCode	adrress	City	sno	sno2	bad	Area	bath	sno	Dishwasher	Micr
0	99328	USA	78723	6110 WHELESS CV APT C	Austin TX	0	0	2	751	1	0	yes	no
2	128836	USA	78704	412 W ALPINE RD	Austin TX	2	2	1	654	1	2	yes	no
4	124264	USA	78705	2502 LEON ST APT 415	Austin TX	4	4	2	868	2	4	yes	no
6	174552	USA	78748	2509 ALLRED DR APT A	Austin TX	6	6	2	1363	3	6	yes	no
7	132992	USA	78745	7906 WEST GATE BLVD # A	Austin TX	7	7	2	914	2	7	yes	no
8	93510	USA	78705	2815 RIO GRANDE ST APT 105	Austin TX	8	8	1	369	1	8	yes	no

f

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